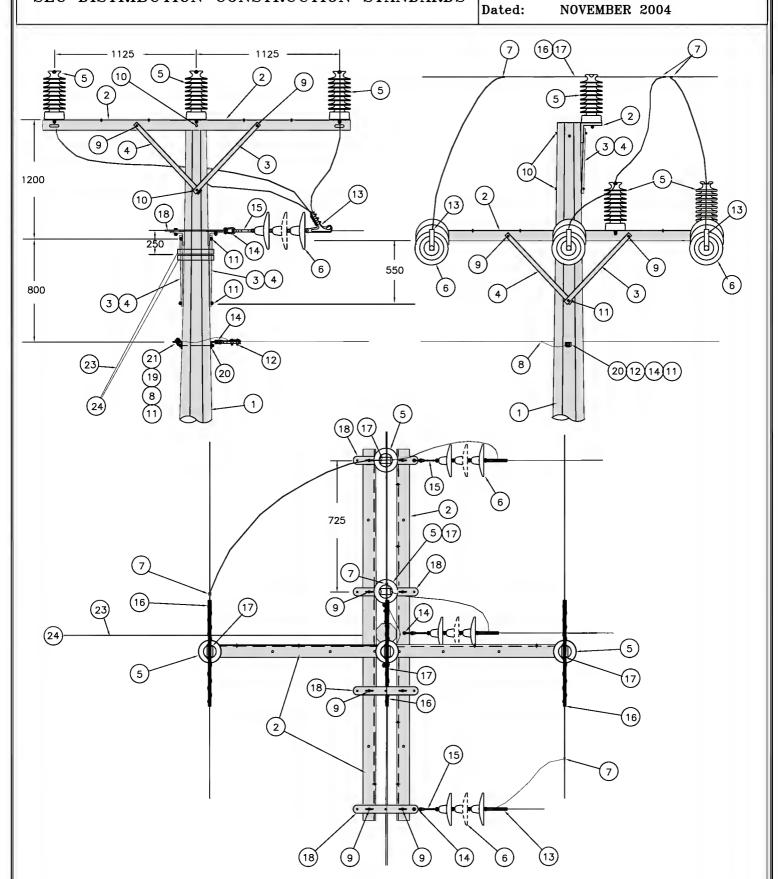


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01



DRW.049-OC12S,12M, S.C.TAP-OFF ON INTERMEDIATE 0°-5° STRUC. W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.049A-OC12S, 12M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		_
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.049B-OC12S, 12M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	24M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.049C-OC12S, 12M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

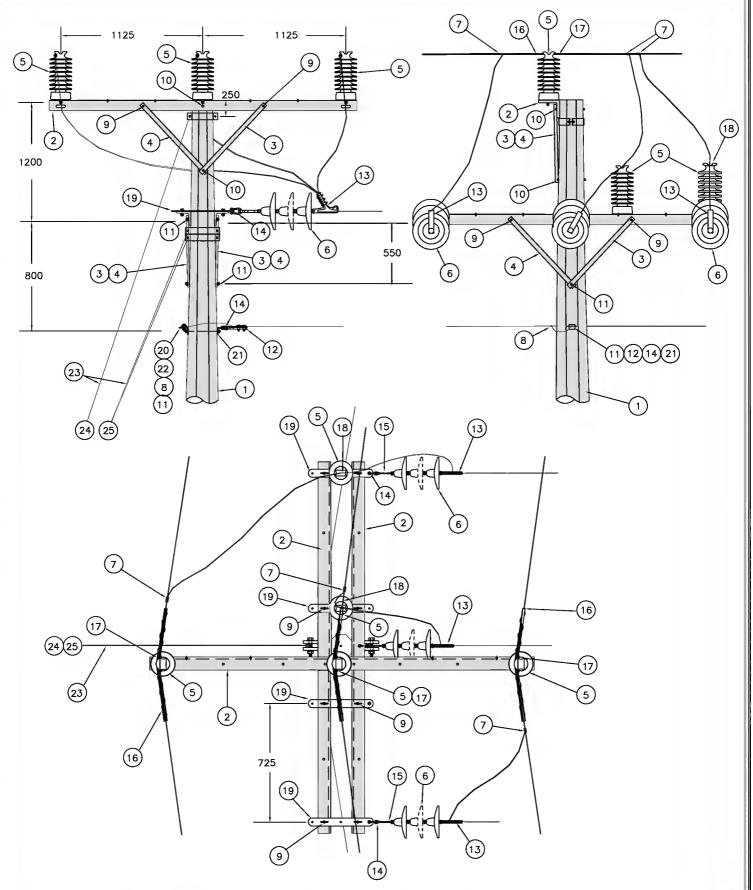


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004



DRW.050-OC12S,12M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STURC.W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
		170.5mm2 ACSR/AW, MERLIN		

DRW.050A-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.050B-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	NCES
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	37M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

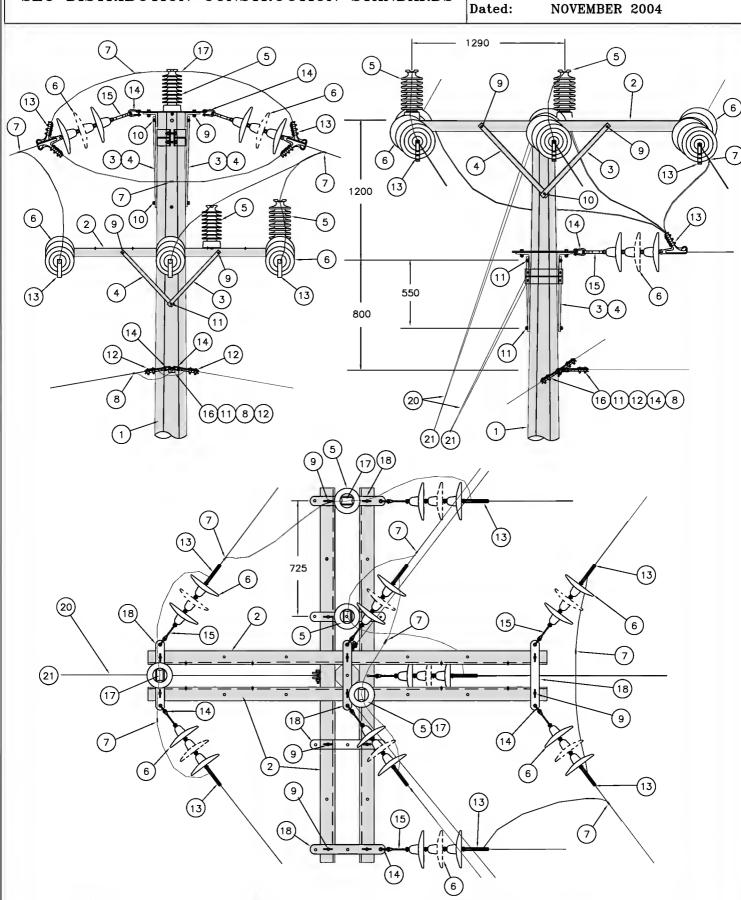
DRW.050C-OC12S, 12M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01



DRW.051-OC12S, 12M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.051A-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
20	51M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.051B-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC12S - 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
80	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	51M	Stay Wire 7/4 , 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	15M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
_		67.44mm2 ACSR/AW, QUAIL		

DRW.051C-OC12S, 12M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



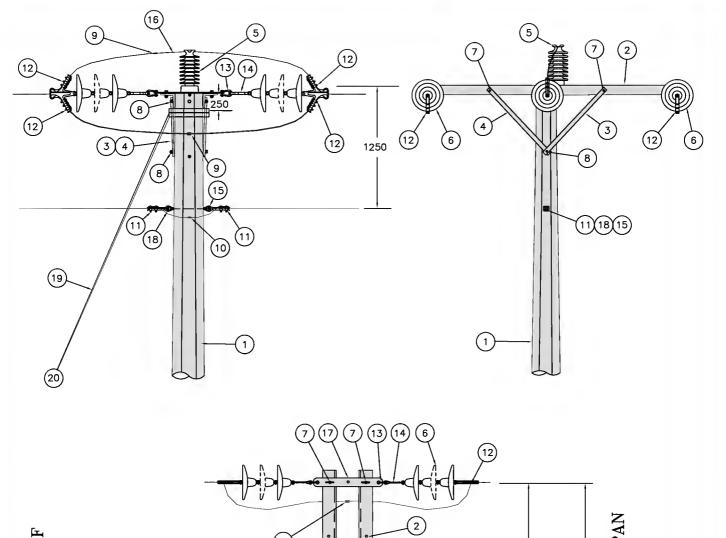
الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

NOVEMBER 2004

Dated:



SINGLE CIRCUIT TAP-OFF

DIRECTION

(a)

(b)

(c)

(c)

(d)

(d)

(e)

(e)

(e)

(e)

(f)

(f)

(f)

(i)

(i)

(ii)

(iii)

DRW.052-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:	NOVEMBER	2004
Dateu.	MOARMDEN	~UU4

SERIAL NO.	QTY	PRILL OF MATERIALS DESCRIPTION		NCES
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	6	Anchor Shockle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	27M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stoy Assembly	20-SDMS-02	Drw. 303
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	15M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Bose Plote	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
	L	110.0Hillio AOSK/A", MERUH		

DRW.052A-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER	2004
-----------------	------

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC12S — 12 Meter Steel Pole, HDG, Single Circuit	2D-SDMS-D1	Page 34	
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-D2	Fig. D1	
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-D2	Fig. D4	
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. D4	
05	1	Line Post Insulotor	15-SDMS-D1	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-D1	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Washer	2D-SDMS-D2	Fig. 15	
80	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	2D-SDMS-D2	Fig. 15	
09	3	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	2D-SDMS-D2	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	2D-SDMS-D2	Fig. 39	
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	2D-SDMS-D2	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Quail	2D-SDMS-D2	Fig. 29	
13	6	Anchor Shockle	2D-SDMS-02	Fig. 2D	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	2D-SDMS-D2	Fig. 17	
16	1	Preformed Line Post Insulotor Top Tie For 67.4mm2 ACSR/AW (Quoil)	20-SDMS-02	Fig. 35	
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 7	
18	1	Eye Nut For M20	2D-SDMS-02	Fig. 19	
19	27M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)			
20	1 Set	M.VS.C. Two Stoy Assembly	2D-SDMS-D2	Drw. 303	
21	1 Set	Donger Sign Plote Complete With Its Accessories	2D-SDMS-02	Fig. 49/5D	
22	15M	Anti-Climbing Device, Borbed Wire	2D-SDMS-D2	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	2D-SDMS-D2	Fig. 13	
24	1 Set	Pole Numbering Base Plate	2D-SDMS-D2	Fig. 51	
25	1 Set	Pole Numbering Plotes	2D-SDMS-02	Fig. 51	
•					
-					
	-		-		
-		67.44mm2 ACSR/AW, QUAIL			
-	I .			+	

DRW.052B-OC12S, 12M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)

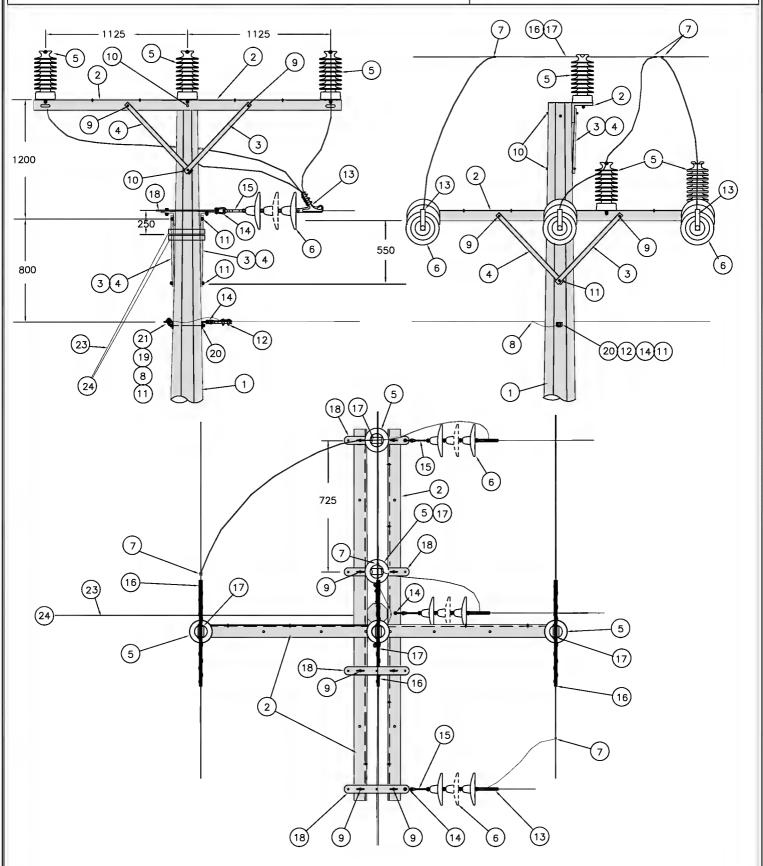


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004



DRW.053-OC13S,13M, S.C.TAP-OFF ON INTERMEDIATE 0°-5° STRUC. W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: NOVEMBER 2004

NO.	SERIAL QTY BILL OF MATERIALS DESCRIPTION REFERENCES					
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35		
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8		
	3 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39		
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29		
14	4	Anchor Shackle	20-SDMS-02	Fig. 20		
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21		
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38		
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35		
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35		
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07		
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06		
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05		
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38		
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54		
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
24	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 301		
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
26	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
28	1 Set	Pole Numbering Base Plates	20-SDMS-02	Fig. 51		
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
		170.5mm2 ACSR/AW, MERLIN				

DRW.053A-OC13S, 13M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

S	Dated:	24-06-2003	

CEDIAI							
SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES				
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35			
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01			
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04			
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04			
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8			
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23			
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39			
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39			
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30			
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29			
14	4	Anchor Shackle	20-SDMS-02	Fig. 20			
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21			
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38			
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35			
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35			
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07			
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06			
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05			
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38			
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54			
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)					
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301			
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50			
26	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13			
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13			
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51			
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51			
		MERLIN MAIN & QUAIL TAP-OFF					

DRW.053B-OC13S, 12M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES					
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35				
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01				
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04				
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04				
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8				
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23				
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39				
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39				
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15				
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15				
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15				
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30				
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29				
14	4	Anchor Shackle	20-SDMS-02	Fig. 20				
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21				
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38				
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35				
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35				
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07				
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06				
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05				
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38				
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54				
23	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)						
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301				
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50				
26	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13				
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13				
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51				
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51				
		67.44mm2 ACSR/AW, QUAIL						

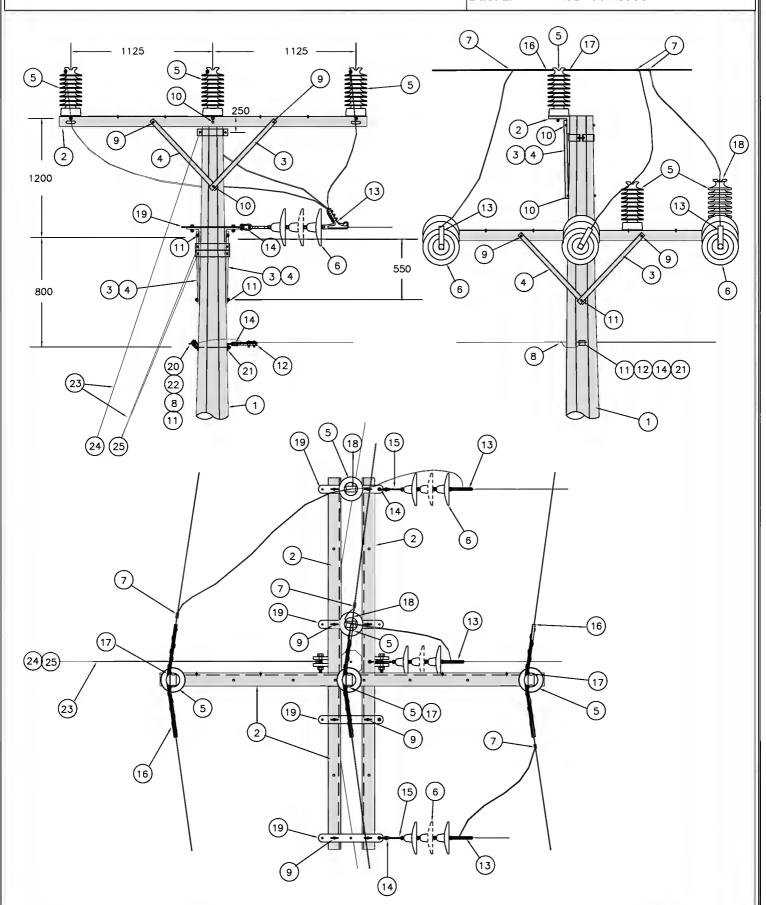
DRW.053C-OC13S, 13M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01
Dated: 24-06-2003



DRW.054-OC13S,13M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STURC.W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	TOTY TOTAL BILLIAN MATERIALS DESCRIPTION			REFERENCES		
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35		
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.		
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39		
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29		
14	4	Anchor Shackle	20-SDMS-02	Fig. 20		
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21		
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38		
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36		
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35		
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7		
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06		
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05		
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38		
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 300		
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301		
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54		
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
		170.5mm2 ACSR/AW, MERLIN				

DRW.054A-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ICES
NO.	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)	20 001110 02	119. 00
24	1 Set	M.VS.C. One Stay Assembly	20-SDMS-02	Drw. 300
25	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 301
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&5
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
				_
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.054B-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SDCS-01

SERIAL.						~			
SEC	DISTIN	IDOTION	CONST	NOCTION	STANDANDS	Dated:	24-0	06-2003	
C. P. L.	THETPI	1 12 1 17 17 17 1 1		RUCTION	STANDARDS				

SERIAL NO.	QTY	QTY BILL OF MATERIALS DESCRIPTION		REFERENCES		
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35		
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.		
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39		
80	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29		
14	4	Anchor Shackle	20-SDMS-02	Fig. 20		
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21		
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38		
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36		
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35		
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07		
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06		
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05		
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38		
23	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 300		
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301		
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54		
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
28	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
		67.44mm2 ACSR/AW, QUAIL				

DRW.054C-OC13S, 13M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

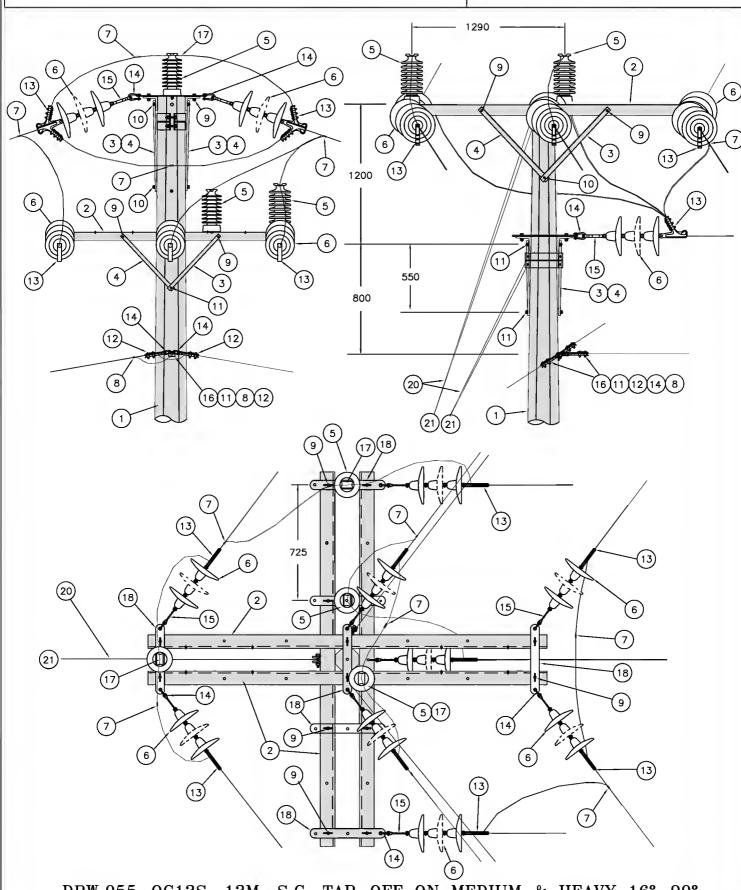


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003



DRW.055-OC13S, 13M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



الشركة السعودية للكهرباء

SDCS-01

SEC	DISTR	IBUIION	CONSTRUCTION	STANDARDS	Dated:	24-0	06-2003	
CEDIAI								

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2	
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	6	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39	
80	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
14	12	Anchor Shackle	20-SDMS-02	Fig. 20	
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35	
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5	
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304	
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&5	
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
1					
T					
		170.5mm2 ACSR/AW, MERLIN			

DRW.055A-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	REFERENCES		
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.055B-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SDCS-01

SEC DISTRIBUTION CONSTRUCTION STANDARDS	Dated:	24-06-2003	_

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
80	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
23	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
V				
T.		67.44mm2 ACSR/AW, QUAIL		

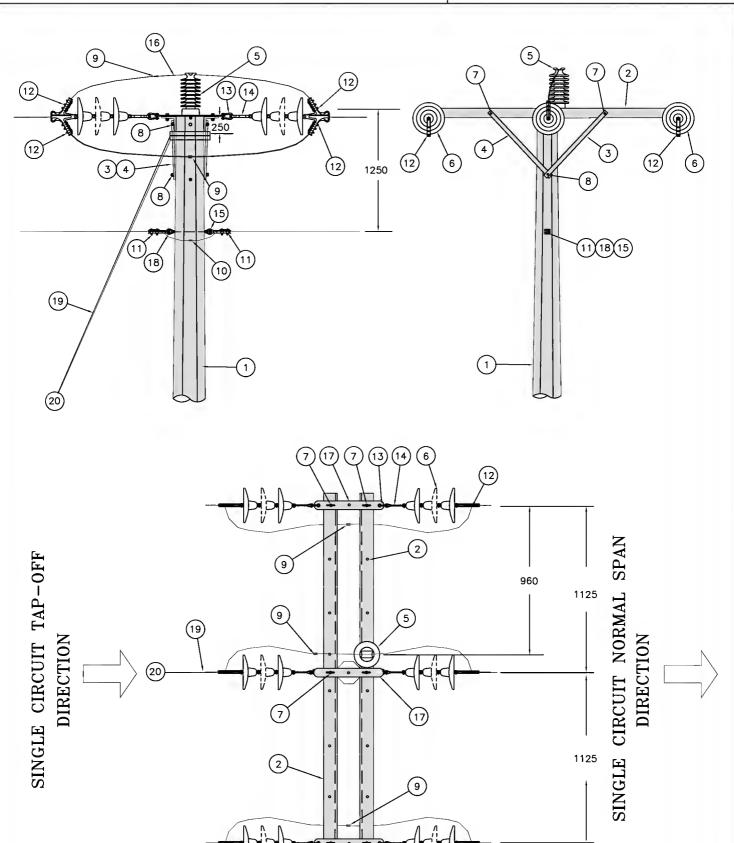
DRW.055C-OC13S, 13M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

	SDCS-01	
Dated:	24-06-2003	



DRW.056-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUC. WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-S0MS-01	Page 35
02	2	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-S0MS-02	Fig. 29
13	6	Anchor Shockle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-S0MS-02	Fig. 17
16	1	Preformed Line Post Insulotor Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-S0MS-02	Fig. 19
19	30M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-S0MS-02	0rw. 301
21	1 Set	Donger Sign Plote Complete With Its Accessories	20-S0MS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Bose Plote	20-S0MS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-S0MS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.056A-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:	24-06-2003

SERIAL NO.	I OTY I DILL OU MATEUDIALS DUSCEDIDITION		REFERENCES	
01	1	OC13S — 13 Meter Steel Pale, HDG, Single Circuit	20-S0MS-01	Page 35
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Past Insulatar	15-S0MS-01	Clause 4.2.
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15
08	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15
09	3	Parallel Graave Camp. Cannectar far 67.44mm ACSR/AW (Quail)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type far Quail	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-S0MS-02	Fig. 29
13	6	Anchar Shackle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21
15	1	Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-S0MS-02	Fig. 17
16	1	Prefarmed Line Past Insulatar Tap Tie Far 67.44mm ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut Far M20	20-S0MS-02	Fig. 19
19	30м	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Orw. 301
21	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-S0MS-02	Fig. 49/50
22	16M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Lacking Clip far Barbed Wire	20-S0MS-02	Fig. 13
24	1 Set	Pale Numbering Base Plate	20-S0MS-02	Fig. 51
25	1 Set	Pale Numbering Plates	20-S0MS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

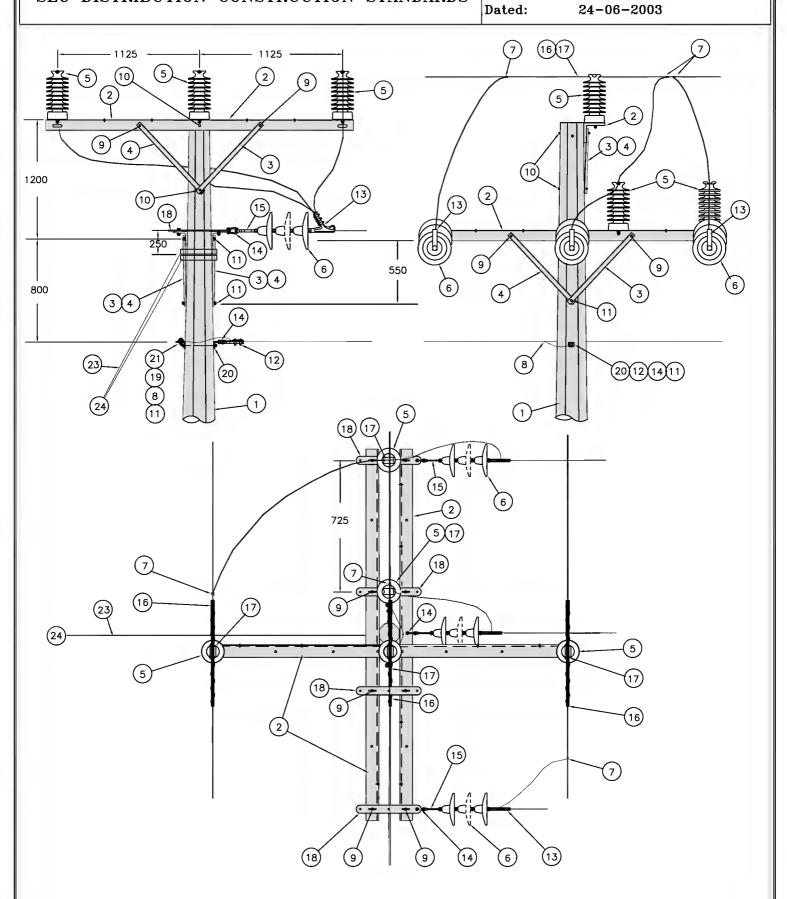
DRW.056B-OC13S, 13M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01



DRW.057-OC14S,14M, S.C.TAP-OFF ON INTERMEDIATE 0°-5° STRUC. W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL	SERIAL			
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	17M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		
		· ·		•

DRW.057A-OC14S, 14M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
26	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.057B-OC14S, 14M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	TERIALS DESCRIPTION REFERENCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 301
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.057C-OC14S, 14M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

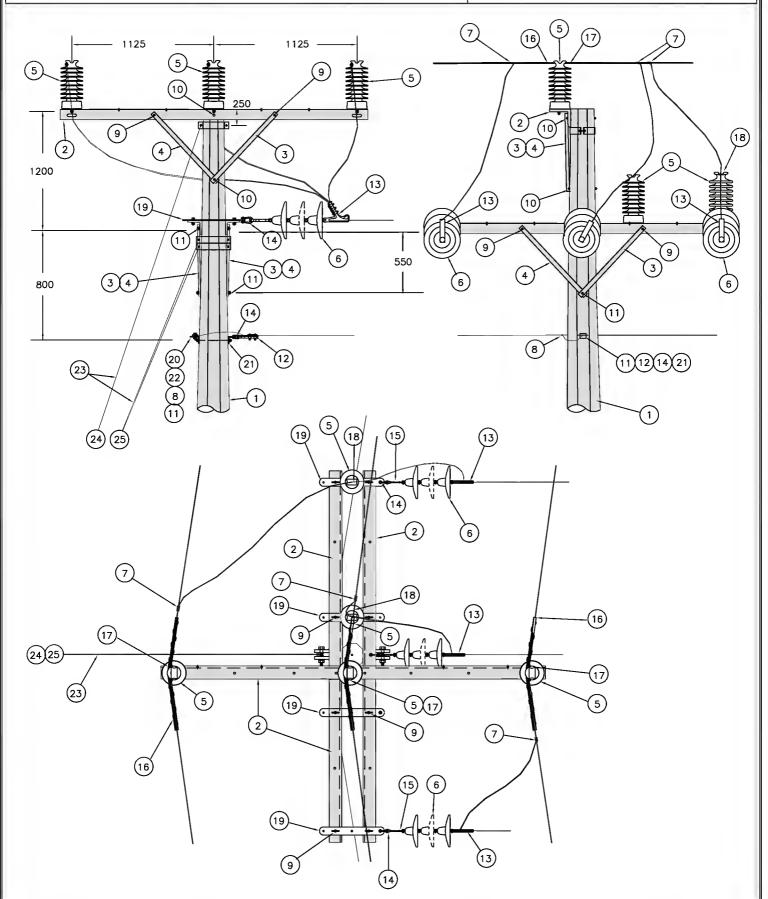


Dated:

الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01 24-06-2003



DRW.058-OC14S,14M,S.C. TAP-OFF ON LIGHT ANGLE 6°-15° STURC.W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ICES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.058A-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39	
80	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
14	4	Anchor Shackle	20-SDMS-02	Fig. 20	
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38	
17	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36	
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35	
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06	
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38	
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303	
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304	
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
28	17M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		MERLIN MAIN & QUAIL TAP-OFF			

DRW.058B-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ICES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	5	5 Line Post Insulator		Clause 4.2	
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
14	4	Anchor Shackle	20-SDMS-02	Fig. 20	
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
17	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36	
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35	
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06	
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38	
23	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303	
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304	
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
28	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		67.44mm2 ACSR/AW, QUAIL			

DRW.058C-OC14S, 14M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

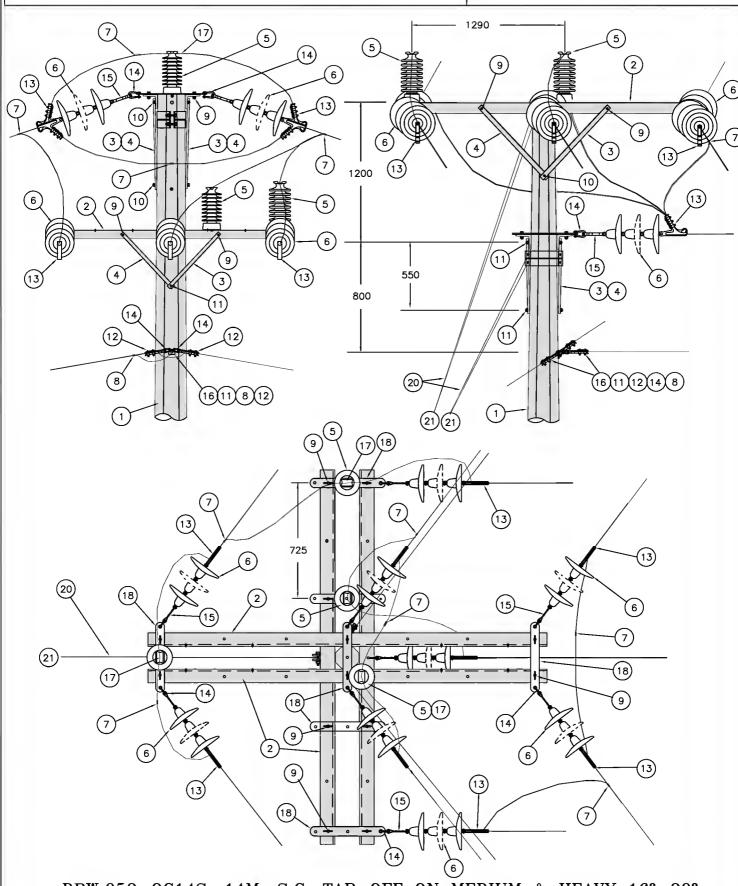


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003



DRW.059-OC14S, 14M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
X		170.5mm2 ACSR/AW, MERLIN		

DRW.059A-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CON

SDCS-01

NSTRUCTION STANDARDS	7		
NSIRUCIION SIANDARDS	Dated:	24-06-2003	

SERIAL NO.	I DIY I BILL OF MATERIALS DESCRIPTION		REFEREN	ICES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
23	17M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
<u> </u>				
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.059B-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SDCS-01

SEC	אופוע	IBUIION	CONSTRUCTION	STANDARDS	Dated:	24-0	06-2003	

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	17M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7				
X		67.44mM2 ACSR/AW, QUAIL		

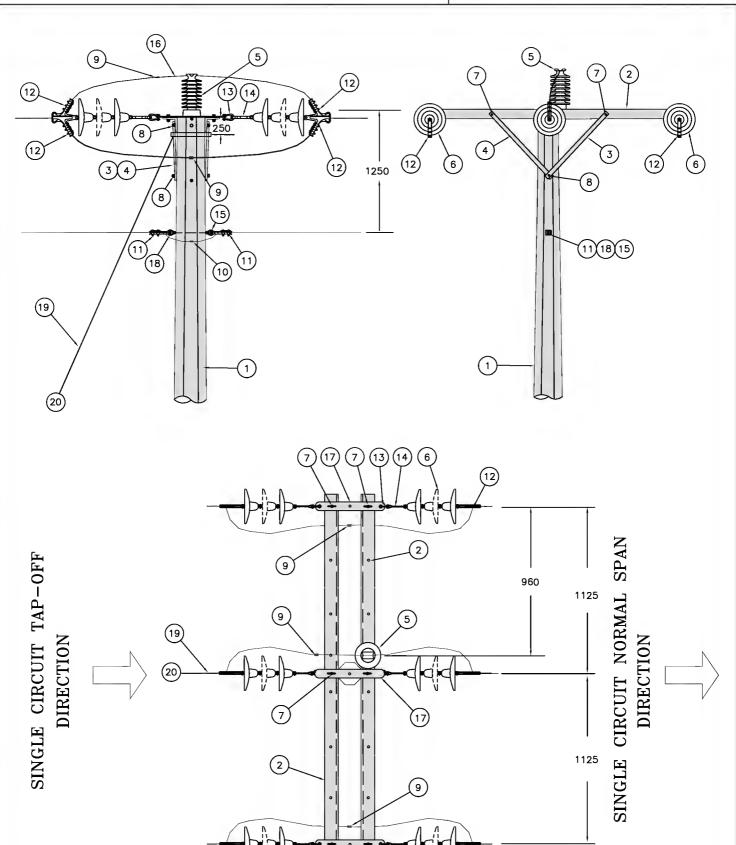
DRW.059C-OC14S, 14M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

	SDCS-01	
Dated:	24-06-2003	



DRW.060-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



الشركة السعودية للكهرباء

SDCS-01

C	DISTRIBUTION	CONSTRUCTION	STANDARDS	Dated:	24-06-2003	
	·	•	•		•	

SERIAL NO.	QTY BILL OF MATERIALS DESCRIPTION		REFERE	NCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36	
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Line Post Insulotor	15-SDMS-01	Clause 4.2.	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flot Washers & 1 Spring Wosher	20-SDMS-02	Fig. 15	
08	2	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-SDMS-02	Fig. 15	
09	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
11	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
13	6	Anchor Shockle	20-SDMS-02	Fig. 20	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flot & 1 Spring Woshers	20-SDMS-02	Fig. 17	
16	1	Preformed Line Post Insulotor Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35	
17	3	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07	
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19	
19	32M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)			
20	1 Set	M.V.—S.C. Two Stoy Assembly	20-SDMS-02	Drw. 303	
21	1 Set	Donger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
22	17M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51	
		170.5mm2 ACSR/AW, MERLIN MAIN			

DRW.060A-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S — 14 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 36
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Past Insulatar	15-S0MS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-S0MS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15
08	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15
09	3	Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type far Quail	20-S0MS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-S0MS-02	Fig. 29
13	6	Anchar Shackle	20-S0MS-02	Fig. 20
14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21
15	1	Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-S0MS-02	Fig. 17
16	1	Prefarmed Line Past Insulatar Tap Tie Far 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35
17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut Far M20	20-S0MS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-S0MS-02	0rw. 303
21	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-S0MS-02	Fig. 49/50
22	17M	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13
23	2	Buckle Type, Lacking Clip far Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pale Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pale Numbering Plates	20-S0MS-02	Fig. 51
			,	
		67.44mm2 ACR/AW, QUAIL MAIN		
	ı			<u> </u>

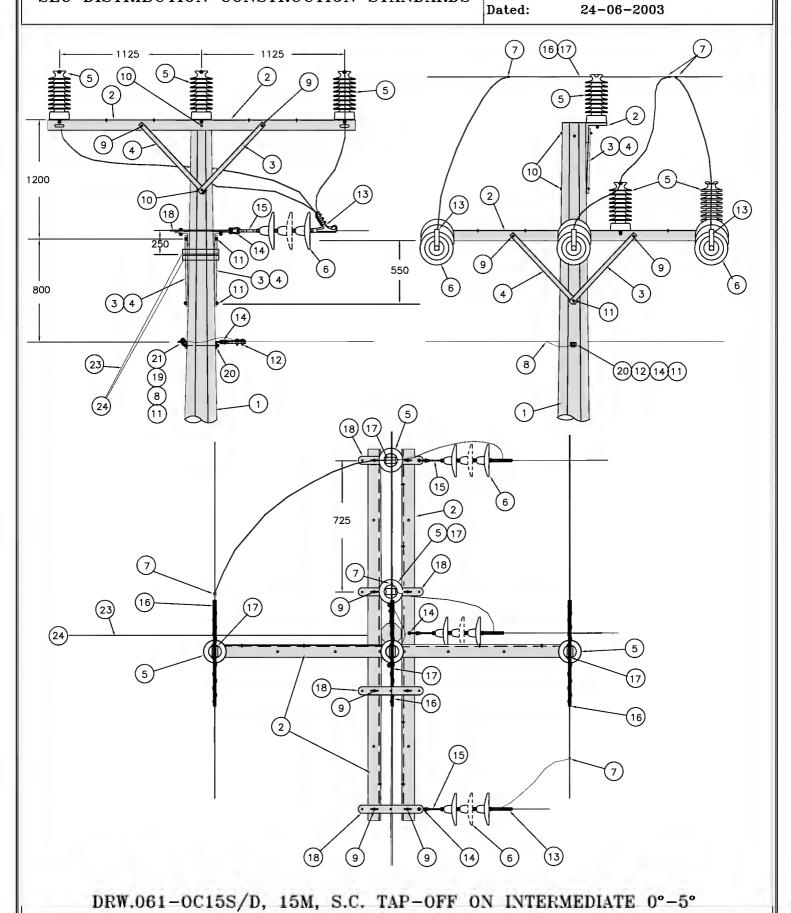
DRW.060B-OC14S, 14M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01



STRUCTURE WITH STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

CEDIA							
SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREI	NCES			
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38			
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01			
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04			
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04			
05	5	Line Post Insulator		Clause 4.2.8			
06	3 Set	t Suspension Insulator		Page 23			
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39			
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39			
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15			
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30			
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29			
14	4	Anchor Shackle	20-SDMS-02	Fig. 20			
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21			
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38			
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35			
17b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35			
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07			
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06			
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05			
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38			
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54			
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)					
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304			
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50			
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13			
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13			
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51			
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51			
		170.5 ACSR/AW, MERLIN					
				0			

DRW.061A-OC15S/D, 15M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

KDS	Dated:	24-06-2003

SERIAL	SERIAL QTY BILL OF MATERIALS DESCRIPTION REFERENCES					
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES		
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36		
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8		
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39		
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29		
14	4	Anchor Shackle	20-SDMS-02	Fig. 20		
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21		
16	3 Set	Preformed Armoured Rods for 170.5mm2 ASCR/AW (Merlin)	20-SDMS-02	Fig. 38		
17a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35		
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35		
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07		
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06		
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05		
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38		
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54		
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
24	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304		
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
		MERLIN MAIN & QUAIL TAP-OFF				

DRW.061B-OC15S/D, 15M,S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
17a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
20	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
21	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	31M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 304
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		
		,	ı	

DRW.061C-OC15S/D, 15M, S.C. TAP-OFF ON INTERMEDIATE 0°-5° STRUC.
WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

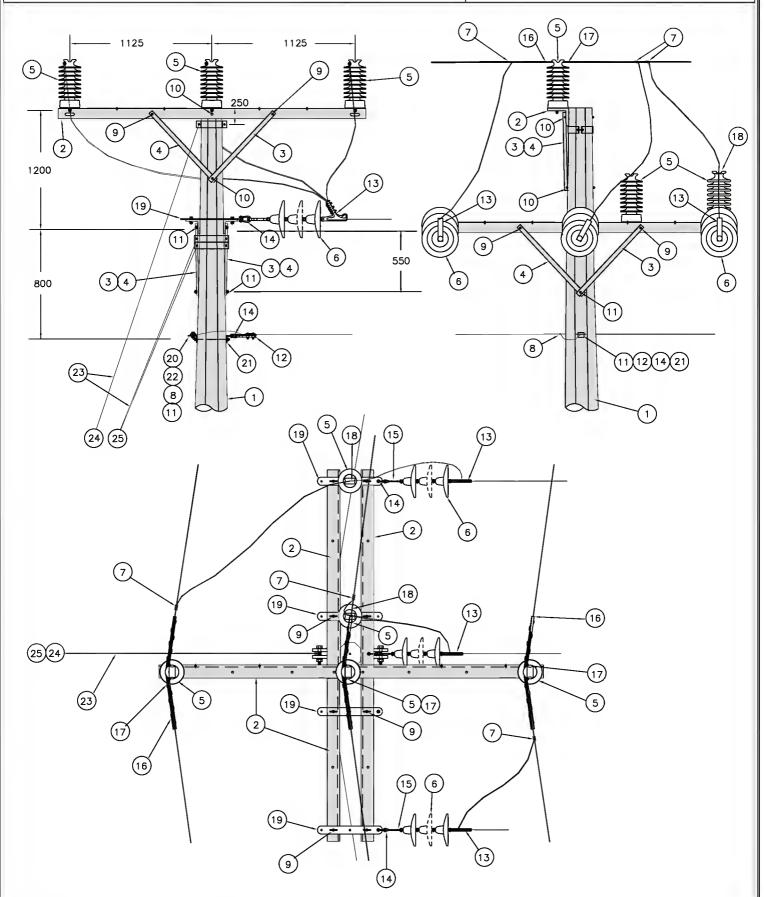


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003



DRW.062-OC15S/D,15M,S.C. TAP-OFF ON LIGHT ANGLE 6° -15° STUR.W/STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Set Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)		Fig. 38
17	3 Preformed Line Post Insulator Side Tie for Merlin With Armour		20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
Α				
		170.5mm2 ACSR/AW, MERLIN		

DRW.062A-OC15S/D, 15M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
80	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 170mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
17	3 Preformed Line Post Insulator Side Tie for Merlin With Armour		20-SDMS-02	Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
28	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.062B-OC15S/D, 15M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	4	Anchor Shackle	20-SDMS-02	Fig. 20
15	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
17	3	3 Preformed Line Post Insulator Side Tie for Quail With Armour		Fig. 36
18	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
21	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ASCR/AW (Quail)	20-SDMS-02	Fig. 38
23	49M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.V.—S.C. One Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
26	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
27	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
28	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
30	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
31	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.062C-OC15S/D, 15M, S.C. TAP-OFF ON LIGHT ANGLE STRUCTURE 6°-15° WITH STAY FOR QUAIL MAIN & QUAIL TAP-OFF

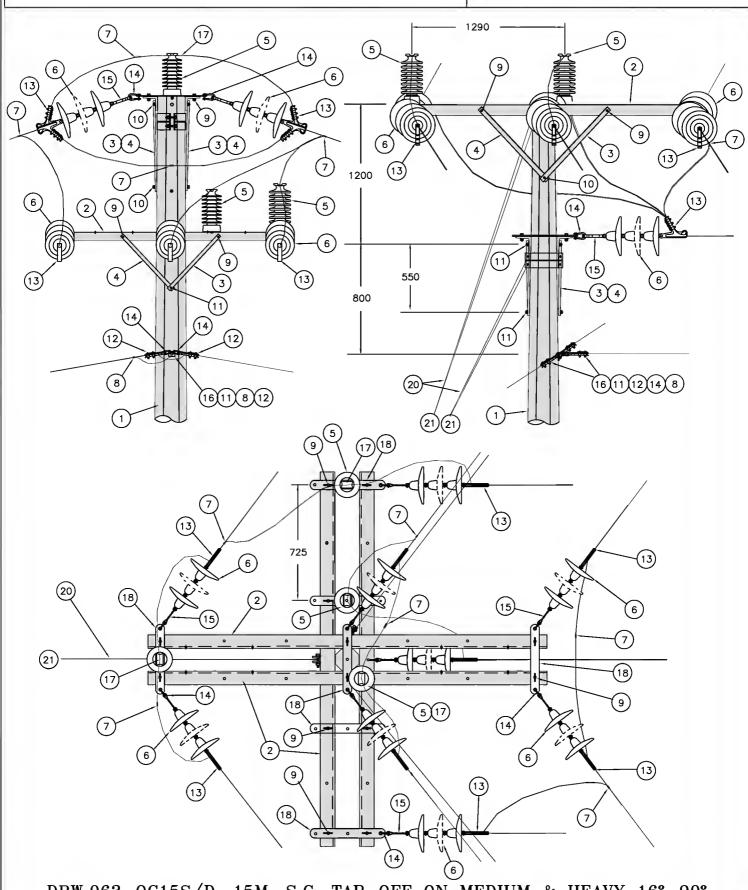


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003



DRW.063-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



الشركة السعودية للكهرباء

SDCS-01

SEC	DISTRIBUTION	CONSTRUCTION	STANDARDS	Dated:	24-06-2003	

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
80	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
X		170.5mm2 ACSR/AW, MERLIN		

DRW.063A-OC15S/D, 15M, S.C.TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION

SDCS-01

N	CONSTRUCTION	STANDARDS		
			Dated:	24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 38
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12			Fig. 20
15	9			Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
17b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.VS.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
7		MERLIN MAIN & QUAIL TAP-OFF		

DRW.063B-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SDCS-01

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 36
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clause 4.:
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	12	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
20	66M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
23	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
<u> </u>				
<u> </u>		67.44mm2 ACSR/AW, QUAIL		

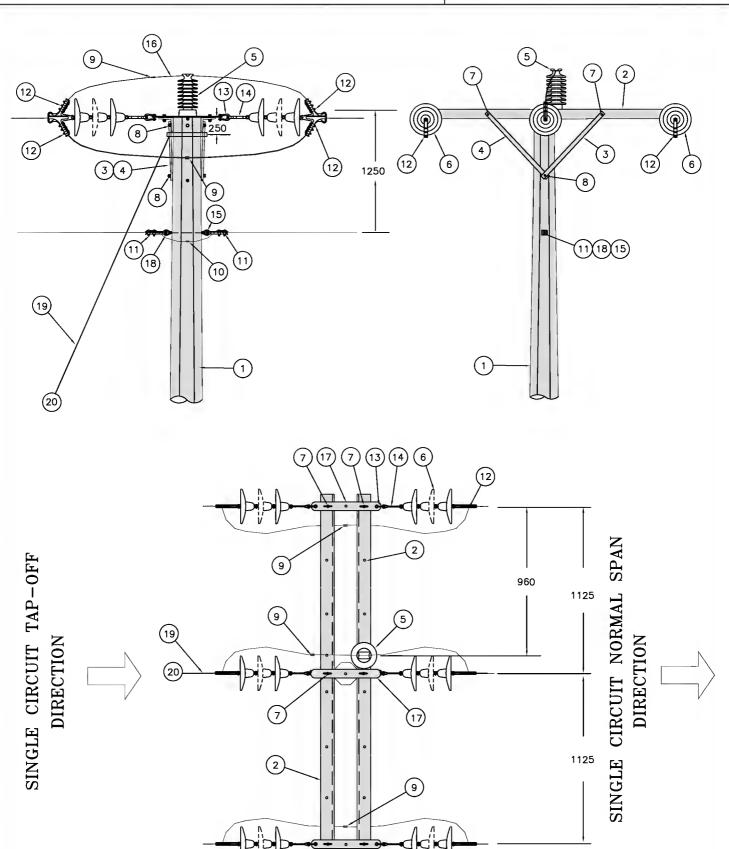
DRW.063C-OC15S/D, 15M, S.C. TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

	SDCS-01	
Dated:	24-06-2003	



DRW.064-OC15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

24-06-2003

SERIAL	AL DIVI OF WITHDIANG PROGRESSION			MODO
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D — 15 Meter Steel Pale, HDG, Single Circuit	2D-SDMS-01	Page 38
02	2	Crassarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. D1
03	2	Brace — L 50x50x4x828mm L.G.	2D-SDMS-D2	Fig. D4
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. D4
05	1	Line Past Insulatar	15-SDMS-D1	Clause 4.2.
06	6 Set	Suspension Insulator	15-SDMS-D1	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	2D-SDMS-D2	Fig. 15
08	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	2D-SDMS-D2	Fig. 15
09	3	Parallel Graave Camp. Cannectar far 170.5mm2 ACSR/AW (Merlin)	2D-SDMS-D2	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	2D-SDMS-D2	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type far Quail	2D-SDMS-D2	Fig. 3D
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	2D-SDMS-D2	Fig. 29
13	6	Anchar Shackle	2D-SDMS-02	Fig. 2D
14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21
15	1	Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	2D-SDMS-D2	Fig. 17
16	1	Prefarmed Line Past Insulatar Tap Tie Far 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. D7
18	1	Eye Nut Far M20	20-SDMS-02	Fig. 19
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Twa Stay Assembly	2D-SDMS-D2	Drw. 303
21	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-SDMS-02	Fig. 49/5D
22	18M	Anti-Climbing Device, Barbed Wire	2D-SDMS-D2	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	2D-SDMS-D2	Fig. 13
24	1 Set	Pole Numbering Base Plate	2D-SDMS-D2	Fig. 51
25	1 Set	Pole Numbering Plates	2D-SDMS-D2	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.064A-OC15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:	24-06-2003

BILL OF MATERIALS DESCRIPTION REPRENEURS PROJECT Programme Programme						
02 2 Crassarm — L 100x100x12x2400mm L.G. 20-s0Ms-02 Fig. 01 03 2 Brace — L 50x50x4x828mm L.G. 20-s0Ms-02 Fig. 04 04 2 Brace — L 50x50x4x828mm L.G. With One End Clipped 20-s0Ms-02 Fig. 04 05 1 Line Post Insulator 15-s0Ms-01 15-s0Ms-01 10 wee 4.2.8 06 6 Set Suspension Insulator 15-s0Ms-01 19-s0Ms-01 19-s0Ms-01 19-s0Ms-01 19-s0Ms-01 19-s0Ms-01 19-s0Ms-02 Fig. 15 19-s0Ms-02 Fig. 39 11-s0 20-s0Ms-02 Fig. 39 19-s0-30 20-s0Ms-02 Fig. 39 19-s0 39-s0Ms-02 Fig. 39 19-s0-30 20-s0Ms-02 Fig. 39 20-s0Ms-02 Fig. 39 20-s0Ms-02 Fig. 39 20-s0Ms-02 Fig. 12 20-s0Ms-02 Fig. 17	II I OTY I		BILL OF MATERIALS DESCRIPTION		REFERENCES	
03	01	1	OC15S/D — 15 Meter Steel Pale, HDG, Single Circuit	20-S0MS-01	Page 38	
1	02	2	Crassarm — L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01	
15_S0MS_01 15_S0MS_02 15_	03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
15 10 15 10 15 15 15 15	04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
07 10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS-02 Fig. 15 08 2 Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-SDMS-02 Fig. 15 09 3 Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 39 10 1 Parallel Groave Comp. Connector far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 39 11 2 Strain Clamp, Straight Line Deadend Type far Quail 20-SDMS-02 Fig. 30 12 6 Strain Clamp, 3 U-Bolts Type for Quail 20-SDMS-02 Fig. 29 13 6 Anchar Shackle 20-SDMS-02 Fig. 29 14 6 Clevis Eye Extensian 20-SDMS-02 Fig. 21 15 1 Shaulder Eye Balt, M20x280mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS-02 Fig. 21 16 1 Prefarmed Line Past Insulator Top Tie Far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-SDMS-02 Fig. 19 07 18 1 Eye Nut Far M20 20-SDMS-02 Fig. 19 19 2	05	1	Line Past Insulatar	15-S0MS-01	Clause 4.2.8	
08 2 Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer 20-50MS-02 Fig. 15 09 3 Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail) 20-50MS-02 Fig. 39 10 1 Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail) 20-50MS-02 Fig. 39 11 2 Strain Clamp, Straight Line Deadend Type far Quail 20-50MS-02 Fig. 30 12 6 Strain Clamp, 3 U-Bolts Type for Quail 20-50MS-02 Fig. 29 13 6 Anchar Shackle 20-50MS-02 Fig. 20 14 6 Clevis Eye Extension 20-50MS-02 Fig. 20 15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-50MS-02 Fig. 17 16 1 Prefarmed Line Past Insulator Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-50MS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-50MS-02 Fig. 07 18 1 Eye Nut Far M20 20-50MS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-50MS-02 Fig. 29-50MS-02 Fig. 49/50 20 <	06	6 Set	Suspension Insulator	15-S0MS-01	Page 23	
09 3 Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail) 20-S0MS-02 Fig. 39 10 1 Parallel Graave Comp. Connector for 67.44mm2 ACSR/AW (Quail) 20-S0MS-02 Fig. 39 11 2 Strain Clamp, Straight Line Deadend Type far Quail 20-S0MS-02 Fig. 30 12 6 Strain Clamp, 3 U-Bolts Type for Quail 20-S0MS-02 Fig. 29 13 6 Anchar Shackle 20-S0MS-02 Fig. 21 14 6 Clevis Eye Extensian 20-S0MS-02 Fig. 21 15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-S0MS-02 Fig. 21 16 1 Prefarmed Line Past Insulator Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-S0MS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-S0MS-02 Fig. 35 18 1 Eye Nut Far M20 20-S0MS-02 Fig. 97 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-S0MS-02 Fig. 19 20 1 1 Set Danger Sign Plate Camplete Wire 20-S0MS-02	07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15	
10	08	2	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-S0MS-02	Fig. 15	
11	09	3	Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39	
12 6 Strain Clamp, 3 U-Bolts Type for Quail 20-SoMS-02 Fig. 29 13 6 Anchar Shackle 20-SoMS-02 Fig. 20 14 6 Clevis Eye Extensian 20-SoMS-02 Fig. 21 15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-SoMS-02 Fig. 17 16 1 Prefarmed Line Past Insulator Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-SoMS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-SoMS-02 Fig. 07 18 1 Eye Nut Far M20 20-SoMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SoMS-02 Fig. 49/50 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SoMS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-SoMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SoMS-02 Fig. 51 25 1 Set Pale Numbering Base Plate 20-SoMS-02 Fig. 51 26 1 Set Pale Numbering Plates 20-SoMS-02 Fig. 51	10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-S0MS-02	Fig. 39	
13 6 Anchar Shackle 20-SOMS-02 Fig. 20 14 6 Clevis Eye Extensian 20-SDMS-02 Fig. 21 15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-SOMS-02 Fig. 17 16 1 Prefarmed Line Past Insulatar Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-SDMS-02 Fig. 07 18 1 Eye Nut Far M20 20-SOMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SOMS-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-SOMS-02 Fig. 49/50 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SOMS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-SOMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SOMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SOMS-02 Fig. 51	11	2	Strain Clamp, Straight Line Deadend Type far Quail	20-S0MS-02	Fig. 30	
14 6 Clevis Eye Extensian 20-SDMS-02 Fig. 21 15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-SDMS-02 Fig. 17 16 1 Prefarmed Line Past Insulator Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 07 17 3 Dauble Arming Plate, 100x12x700mm 20-SDMS-02 Fig. 07 18 1 Eye Nut Far M20 20-SDMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SDMS-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-SDMS-02 Fig. 49/50 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SDMS-02 Fig. 13 22 18M Anti-Climbing Device, Barbed Wire 20-SDMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SDMS-02 Fig. 51 25 1 Set Pale Numbering Base Plate 20-SDMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SDMS-02 Fig. 51	12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-S0MS-02	Fig. 29	
15 1 Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers 20-soms-02 Fig. 17 16 1 Prefarmed Line Past Insulatar Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-soms-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-soms-02 Fig. 07 18 1 Eye Nut Far M20 20-soms-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-soms-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-soms-02 Fig. 49/50 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-soms-02 Fig. 13 22 18M Anti-Climbing Device, Barbed Wire 20-soms-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-soms-02 Fig. 51 24 1 Set Pale Numbering Base Plate 20-soms-02 Fig. 51 25 1 Set Pale Numbering Plates 20-soms-02 Fig. 51	13	6	Anchar Shackle	20-S0MS-02	Fig. 20	
16 1 Prefarmed Line Past Insulatar Tap Tie Far 67.44mm2 ACSR/AW (Quail) 20-SDMS-02 Fig. 35 17 3 Dauble Arming Plate, 100x12x700mm 20-SDMS-02 Fig. 07 18 1 Eye Nut Far M20 20-SDMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SDMS-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-SDMS-02 Orw. 303 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SDMS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-SDMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SDMS-02 Fig. 51 24 1 Set Pale Numbering Base Plate 20-SDMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SOMS-02 Fig. 51	14	6	Clevis Eye Extensian	20-SDMS-02	Fig. 21	
17 3 Dauble Arming Plate, 100x12x700mm 20-SDMS-02 Fig. 07 18 1 Eye Nut Far M20 20-SOMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SOMS-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-SOMS-02 0rw. 303 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SOMS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-SOMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SOMS-02 Fig. 13 24 1 Set Pale Numbering Base Plate 20-SOMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SOMS-02 Fig. 51	15	1	Shaulder Eye Balt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-S0MS-02	Fig. 17	
18 1 Eye Nut Far M20 20-SoMS-02 Fig. 19 19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20-SoMS-02 Fig. 19 20 1 Set M.VS.C. Twa Stay Assembly 20-SoMS-02 Orw. 303 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-SoMS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-SoMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SoMS-02 Fig. 13 24 1 Set Pale Numbering Base Plate 20-SoMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SoMS-02 Fig. 51	16	1	Prefarmed Line Past Insulatar Tap Tie Far 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35	
19 35M Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min) 20	17	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
20 1 Set M.VS.C. Twa Stay Assembly 20-soms-02 0rw. 303 21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-soms-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-soms-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-soms-02 Fig. 13 24 1 Set Pale Numbering Base Plate 20-soms-02 Fig. 51 25 1 Set Pale Numbering Plates 20-soms-02 Fig. 51	18	1	Eye Nut Far M20	20-S0MS-02	Fig. 19	
21 1 Set Danger Sign Plate Camplete With Its Accessaries 20-S0MS-02 Fig. 49/50 22 18M Anti-Climbing Device, Barbed Wire 20-S0MS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-S0MS-02 Fig. 13 24 1 Set Pale Numbering Base Plate 20-S0MS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-S0MS-02 Fig. 51	19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
22 18M Anti-Climbing Device, Barbed Wire 20-SOMS-02 Fig. 13 23 2 Buckle Type, Lacking Clip far Barbed Wire 20-SOMS-02 Fig. 13 24 1 Set Pale Numbering Base Plate 20-SDMS-02 Fig. 51 25 1 Set Pale Numbering Plates 20-SOMS-02 Fig. 51	20	1 Set	M.V.—S.C. Twa Stay Assembly	20-S0MS-02	0rw. 303	
23 2 Buckle Type, Lacking Clip far Barbed Wire 20–S0MS–02 Fig. 13 24 1 Set Pale Numbering Base Plate 20–SDMS–02 Fig. 51 25 1 Set Pale Numbering Plates 20–SOMS–02 Fig. 51	21	1 Set	Danger Sign Plate Camplete With Its Accessaries	20-S0MS-02	Fig. 49/50	
24	22	18M	Anti—Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13	
25 1 Set Pale Numbering Plates 20–SOMS-02 Fig. 51	23	2	Buckle Type, Lacking Clip far Barbed Wire	20-S0MS-02	Fig. 13	
	24	1 Set	Pale Numbering Base Plate	20-SDMS-02	Fig. 51	
67.44mm2 ACSR/AW, QUAIL	25	1 Set	Pale Numbering Plates	20-S0MS-02	Fig. 51	
67.44mm2 ACSR/AW, QUAIL						
67.44mm2 ACSR/AW, QUAIL						
67.44mm2 ACSR/AW, QUAIL						
67.44mm2 ACSR/AW, QUAIL						
67.44mm2 ACSR/AW, QUAIL						
67.44mm2 ACSR/AW, QUAIL						
			67.44mm2 ACSR/AW, QUAIL			

DRW.064B-OC15S/D, 15M, SINGLE CIRCUIT, SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)